

Datasheet



Mouse mAb to **Fibronectin**
Clone **616**
Isotype **IgG2a-κ**

Source

A BALB/c mouse was immunized with a high molecular fraction of proteins secreted by cultured human fibroblasts.
Fusion partner: P3-X63-Ag8.653.

Specifications

616 Reacts with the N-terminal fibrin and heparin-binding domain. Specificity was established by Western blotting with purified 29 kDa domain from two different sources. Fibronectins, 220 kDa monomer; 440 kDa dimer, are present in basement membranes, interstitial connective tissue matrix, and blood. Cellular fibronectin is widely distributed in the stroma of many malignant tumors.

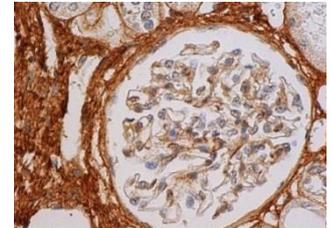


Figure 1: human kidney stained with 616 (paraffin)

Species reactivity

Positive: human, dog, ferret, pig.

Applications

616 Is excellent for staining of paraffin sections. 616 Also works well in immunofluorescence tests and Western blotting.

Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections	Western blot
+	+	+	+	+

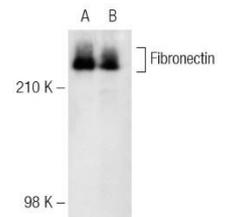


Figure 2: 616 Reacting on Western blot with (A) human platelet extract (B) HT-1080 whole cell lysate

Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02% sodium azide.
Stored at 4°C-8°C, shelf life is at least 24 months after purchase.

Dilution advice

- Flow cytometry (1-2 µg/million cells in 0,1 ml).
- Immunoblotting (1 µg/ml for 2h at RT).
- Immunofluorescence (1-2 µg/ml).
- Immunohistology (1-2 µg/ml for 30-60 min at RT; for paraffin sections no pre-treatment necessary).

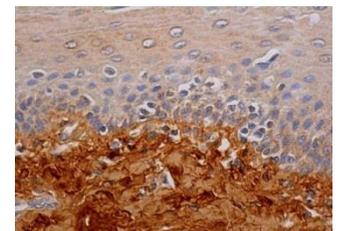


Figure 3: human esophagus stained with 616 (paraffin)

Positive control

Human kidney.

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References

- Grant, M B, et al. *Diabetes*, **47**: 1311-7 (1998).
- Homandberg, G.A. et al. *Osteoarthritis and Cartilage* **6**: 231-244 (1998).
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- Ljubimov, A.V. et al. *Exp. Cell Res.* **165**: 530-40 (1986).
- Mirmalek-Sani SH. et al. *Biomaterials* **165**: 5488-95 (2013).